Mohammad El Musleh

Work permit: German | **Date of birth:** 1996 | **Phone number:** (+49) 15154335366 (Mobile) |

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ABOUT ME

C#/.NET Software Developer with 3+ years' experience in developing and optimizing software solutions. Skilled in C#, C++, and Python, with expertise in clean code, testing, and agile methods. Committed to delivering high-quality, scalable applications and continuous professional growth.

WORK EXPERIENCE

SELF-DIRECTED – WERNAU, GERMANY
PROFESSIONAL DEVELOPMENT/JOBSEEKER – 01/11/2024 – CURRENT

- Achieved German language A2 proficiency; currently pursuing B1 to enhance professional capabilities.
- Completed multiple online courses in Artificial Intelligence through Coursera to stay current with industry trends and earn university certificates.
- Actively contributed to an open-source projects, enhancing collaboration and real-world coding skills.

ALTEN GMBH – COBURG, GERMANY
CONSULTANT ENGINEER – 01/02/2022 – 31/10/2024

- Successfully completed the first ALTEN mission at Bosch Thermotechnik GmbH, extended over a consultancy period of 2 years and 3 months.
- Developed and launched four major releases of an in-house tool initiated at Bosch Thermoteknik AB, utilizing C# within the .NET Framework, leading to widespread adoption by hundreds of service technicians and improving service response times across eight European countries.
- Debugged and unit tested multithreaded applications in Visual Studio, resolving bugs within sprint cycles.
- Resolved 70% of field issues and enhanced post-release handling through direct engagement with end-users and stakeholders, earning recognition from Bosch's Head of Software Development.
- Collaborated with cross-functional teams to improve communication and project alig

BOSCH THERMOTEKNIK AB – TRANÅS, SWEDEN
SOFTWARE DEVELOPERS – 15/03/2021 – 30/01/2022

- Designed an advanced firmware update tool for heat pumps, utilizing C++ for CAN communication and a C# .NET GUI, significantly improving user satisfaction.
- Applied SOLID principles and clean coding practices, resulting in more efficient, maintainable code that reduced technical debt and facilitated smoother integration during project development cycles.
- Integrated Azure storage for asynchronous updates, leveraging Python scripts to automate processes, which reduced manual effort and saved users time, thereby enhancing overall efficiency.
- Built a comprehensive project foundation and documented key activities, facilitating seamless handover and efficient knowledge transfer

NEVS AB – TROLLHÄTTAN, SWEDEN
EDUCATIONAL RESEARCHER – 01/02/2020 – 30/12/2020

- Completed an 8-month thesis research in collaboration with NEVS (National Electric Vehicle Sweden), focusing on automated test case generation from requirements for the automotive industry.
- Reviewed literature to identify best practices for automated test case generation, forming the thesis foundation.
- Created a demo using a full stack (Neo4j, GraphQL, React.js), integrating a Neo4j graph database with a GraphQL API for efficient data visualization and interaction, supporting thesis research.

EDUCATION AND TRAINING

15/09/2018 – 30/11/2020 Uppsala, Sweden
MASTER OF SCIENCE IN EMBEDDED SYSTEMS Uppsala University (UU)

15/09/2014 – 15/06/2018 Nicosia, Cyprus
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING Near East University (NEU)

PUBLICATIONS

El Musleh, M. (2020). Transformation of UML State Machine Diagram into Graph Database to Generate Test Cases.

Musleh, M. E. (2020). Steps detection and position estimate from data collected using smartphone sensors.

LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
GERMAN	B1	B1	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Languages

C │ C++ │ C# │ Python │ VHDL/Verilog │ GraphQL │ HTML │ MATLAB & Simulink │ CSS │ JavaScript │ JSON │ XML

System Architecture

SOLID principles │ Scalable software design │ Clean Code practices

Testing & Debugging

CANalyzer │ Test Planning │ Peer Reviews │ ECU-Test │ Debugging │ Unit Testing │ HiL Testing

Protocols & Standards

UART │ UDS │ CAN │ I2C │ SPI │ TCP/IP │ Bluetooth

Tools & Platforms

Visual Studio │ C-Programming ARM Microcontroller (Keil uVision - IAR - STM32CubeIDE) │ Linux │ Git │ GitHub │ FreeRTOS │ MATLAB │ Atlassian (Bitbucket, Confluence, Jira) │ Mircosoft Azure (storage account) │ Docker │ MySQL │ Neo4j graph database │ FPGA (VHDL - Xilinx Vivado)

Development Methodologies

Agile (Scrum/KanBan) │ V-MODEL │ UML │ CI/CD Pipelines

DRIVING LICENCE

Driving Licence: B

HONOURS AND AWARDS

11/11/2020
Won the Carlsberg Hackathon 2020 – Carlsberg Group

15/06/2018
Received four certificates of honor during bachelor's studies for maintaining a high GPA – Near East University

1. GPA 3.22/4 (Honour 2016-2017 - Fall)
2. GPA 3.30/4 (Honour 2016-2017 - Spring)
3. GPA 3.64/4 (High Honour 2017-2018 - Fall)
4. GPA 3.52/4 (High Honour 2017-2018 - Spring)

01/09/2014
Granted a half-tuition scholarship to study bachelor's at NEU – Near East University